MODEL 12T311 PBG
SCHEMATIC DIAGRAM

NFC

BUILT IN ANTENNA

ANTENNA TERMINAL
UHF/VHF 75Ω

VHF TUNER

UHF TUNER

PWC334
RF PWB

VR101
3.3K
UHF RF BIAS

VR3
20K
VOLUME

S101
AFT SWITCH
ON
OFF

FR351

TR352
2SC945 P,Q
2SC1684 Q,R

TR353
2SC945 P,Q
2SC1684 Q,R

TR351
2SC945 P,Q
2SC1684 Q,R

TR302
2SC1941 K,L

TR301
2SC1941 K,L

TR303
2SA916 K,L

T301

PWC1226
EARPHONE JACK PWB

EARPHONE JACK

SPEAKER
8Ω

IC301
μPC1382C

PWC1198
VIF PWB

TR201
2SC2026

FL201
SAW FILTER

IC201
TA7607AP

T201
DET

T202
AFT

TP204

TP205

TP201

TP31

TR203
2SC1684 Q,R

TR202
2SC1684 Q,R

DL701

CF201
5.5MHz

TR401
2SD381 K,L,M

TR402
2SD381 K,L,M

TR501
2SC2688 K,L
H.DRIVE

T501
H.DRIVE

SW401
SERVICE SW
SERVICE
NORMAL

VR402
100K
V.BIAS

VR401
470
V.HEIGHT

VR501 5K
H.HOLD

IC501
LA7800

IC601
STR 371

T601
POWER
TRANSFORMER

PWC1203
LINE FILTER PWB

220V~
50Hz

S601
MAIN SWITCH

F601
T2A

F602
T500mA

TH601

DEGAUSSING COIL

PWC1199
MAIN PWB

TO FR351 ⑤ PIN

TO R318

TO DY6

FROM R525

FROM R521

FROM ZD501

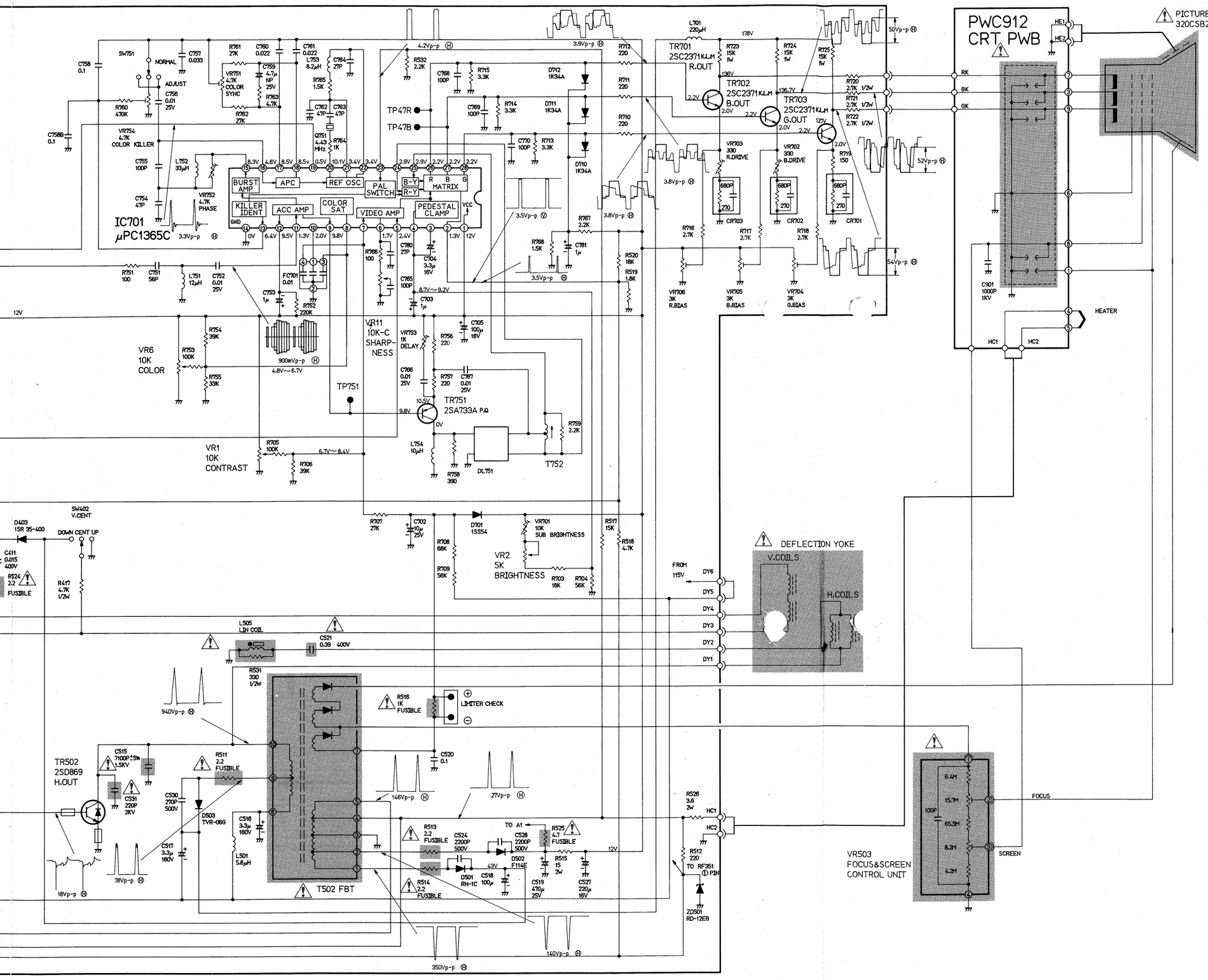
FROM 115V

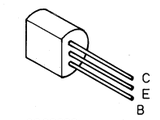
115V SOURCE

THIS SCHEMATIC DIAGRAM IS FUNDAMENTAL AND SUBJECT TO CHANGE.

SAVE THIS SCHEMATIC DIAGRAM FOR LATER SERVICE.

RUN NO. 1





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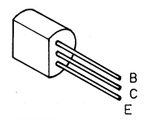

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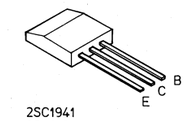

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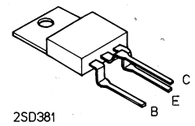

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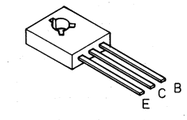

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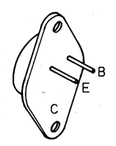

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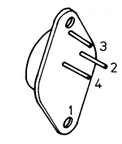

STR371

E: EMITTER
B: BASE
C: COLLECTOR

NOTES

1. RESISTOR VALUES ARE IN Ω (OHM) K=1,000Ω M=1,000,000Ω
2. ALL RESISTORS ARE 1/4WATT EXCEPT WHERE OTHERWISE INDICATED.
3. CAPACITOR VALUES ARE IN μF UNLESS OTHERWISE INDICATED. P=PF
4. ALL CAPACITORS ARE 50VOLTS EXCEPT WHERE OTHERWISE INDICATED.
5. VOLTAGES AND WAVEFORMS MEASURED UNDER AVERAGE COLOR SIGNAL INPUT AND CONTRAST. BRIGHTNESS CONTROL AT MAXIMAM. ALL OTHER CONTROLS SET FOR NORMAL OPERATION.
6. Ⓗ---- HORIZONTAL RATE. Ⓥ---- VERTICAL RATE.

WARNING

REPLACEMENT PARTS WHICH HAVE SPECIAL SAFETY CHARACTERISTICS ARE IDENTIFIED BY ⚠ SHADING ON THE SCHEMATICS. REPLACE THESE CRITICAL COMPONENTS WITH RECOMMENDED REPLACEMENT PARTS.
DON'T DEGRADE THE SAFETY OF THE SET THROUGH IMPROPER SERVICING.

CONTROL (S) MARKED * IS PERMANENTLY FROZEN.
DO NOT ATTEMPT TO DEFEAT OR IMPROPERLY REPLACE.

12T311 PBG
78072601

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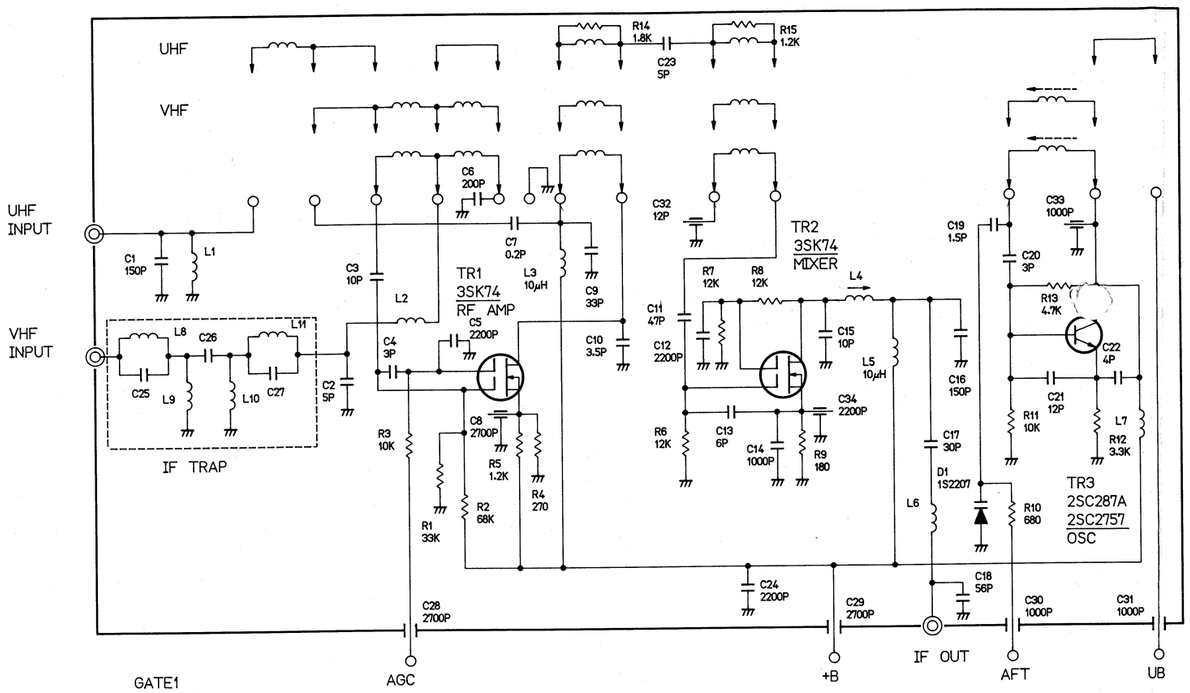
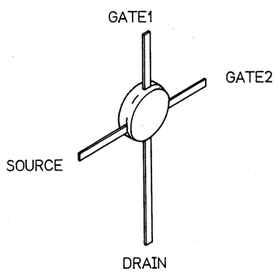
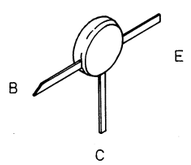
VHF TUNER



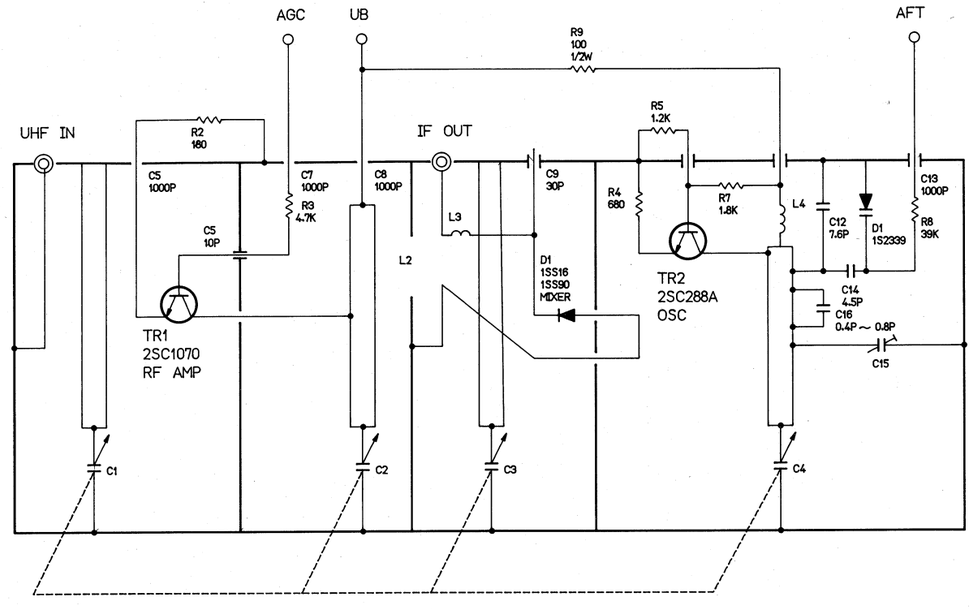


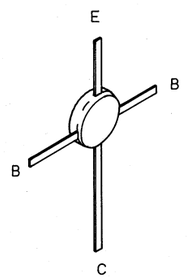
3SK74



2SC2757
2SC287A

UHF TUNER





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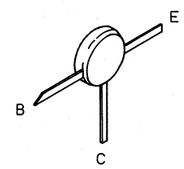

2SC288A